



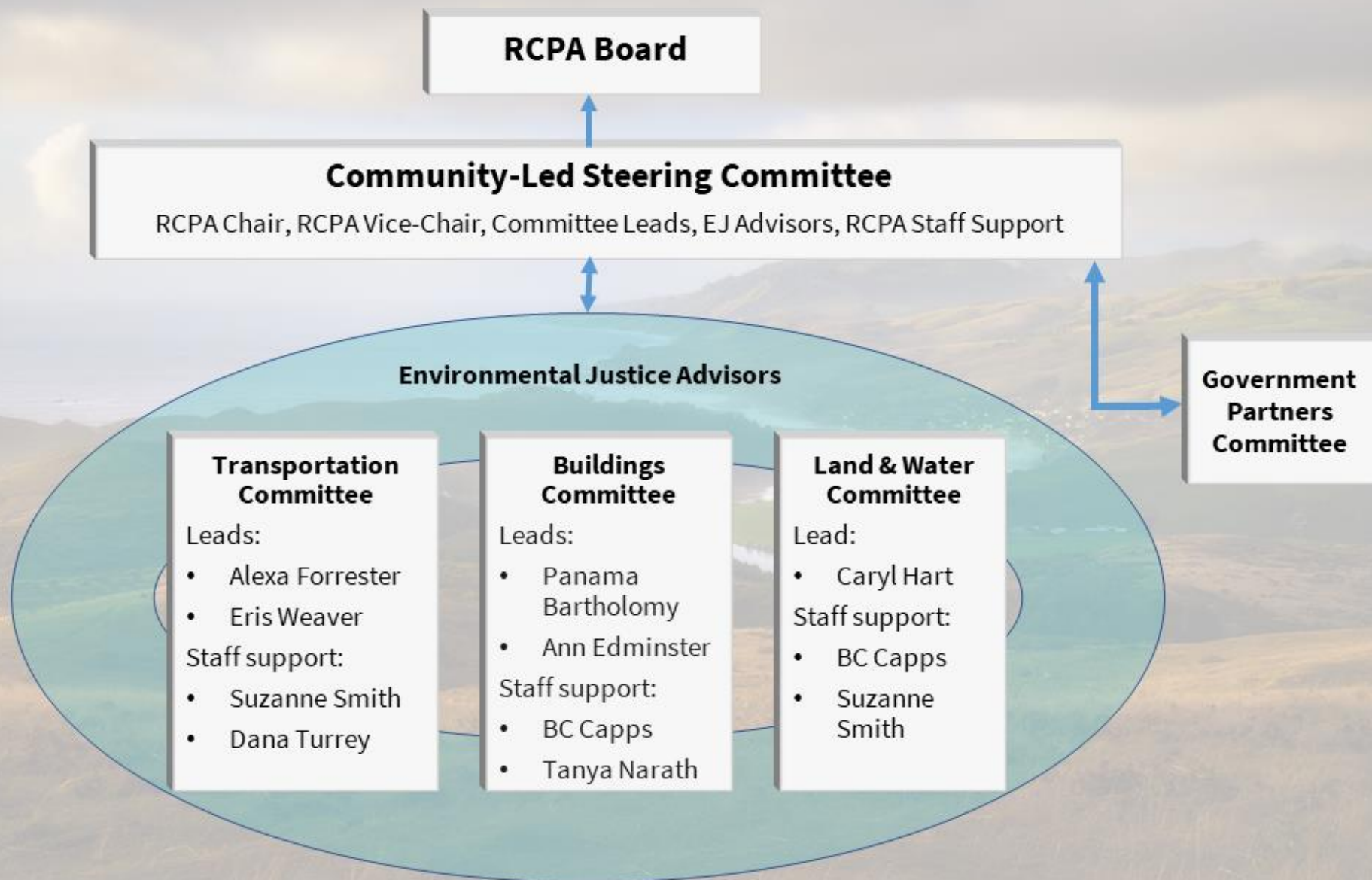
Funding for Climate Change Committee Kick-Off Meeting

RCPA Buildings Committee
February 15, 2023

Ann Edminster, Committee Co-Chair
Panama Bartholomy, Co-Chair

Tanya Narath, Director of Climate Programs
BC Capps, Climate Change Program Specialist

FUNDING FOR CLIMATE CHANGE COMMITTEE STRUCTURE



2022 – Vision

2023 – Funding Priorities

2024 – Implementation

Implement Sonoma Climate Mobilization climate solutions

Outreach and engagement to develop community vision and climate solutions for 2030

Outreach and engagement on funding options and climate investment priorities

Move forward with funding options

Initiative

Strategy

Transportation

- Drive Less Sonoma County Campaign
- EV Access for All Partnership
- Sonoma County Vehicle Miles Traveled Mitigation Bank

Buildings

- All-Electric Buildings Campaign
- Carbon-Free Electricity

Land and Water

- Protect Existing Carbon Stocks
- Increase Carbon Stocks
- Scale Up Infrastructure for Sequestration

Environmental Justice and Community Engagement

Strategy 1: All-Electric Buildings Campaign

Goal: Accelerate the electrification of existing buildings and electrify all new buildings.

Objectives:

- Develop a date-certain, funded, and phased retrofit requirement for existing buildings to transition to all-electric and improve their overall energy efficiency.
- Require new buildings to be all-electric.
- Integrate social equity into building electrification plans.



Strategy 2: Carbon-Free Electricity

Goal: Accelerate the transition to 100 percent carbon-free electricity.

Objectives:

- Promote the use of 100 percent renewable and/or carbon-free energy in residential and commercial buildings.
- Achieve 100 percent carbon-free electricity in municipal buildings by 2030 through a combination of utility energy purchases and onsite solar plus battery storage.
- Develop a campaign using effective, research-based incentives to increase installations of solar plus battery storage in residences of all income groups.
- Develop a campaign to increase the use of demand response capable technologies (e.g., appliances, cars, batteries, etc.)
- Identify and promote carbon-free energy and demand response options that are available to income-based CARE/FERA customers, specifically targeting the multi-family rental market.



Sonoma County Climate Zones



- **Climate Zone 1 - Coastal**

- Cool, wet winters, and cool summers with frequent fog and strong winds
- Requires a lot of heat for comfort. Fog cools and humidifies area. Temperatures are cool in winter and rain is common.

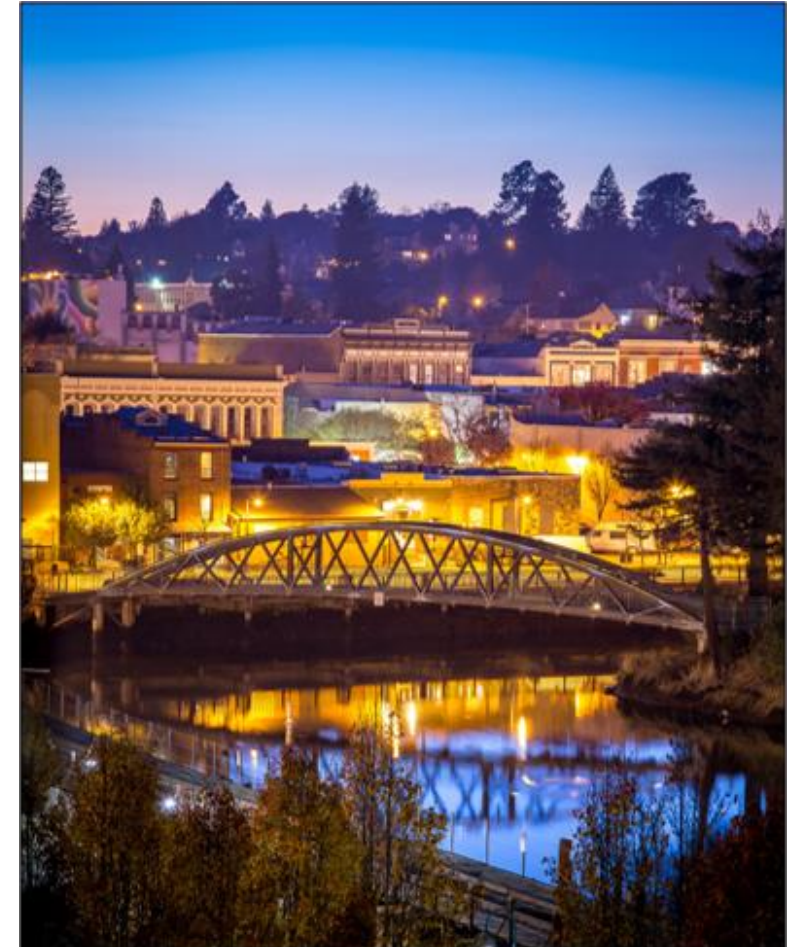
- **Climate Zone 2 - Inland**

- Coastal climate, influenced by the ocean approximately 85% of the time and by inland air 15% of the time
- Heating degree days dominates the climate design, although some cooling is necessary in the summer.

Existing Residential Single Family + Multifamily

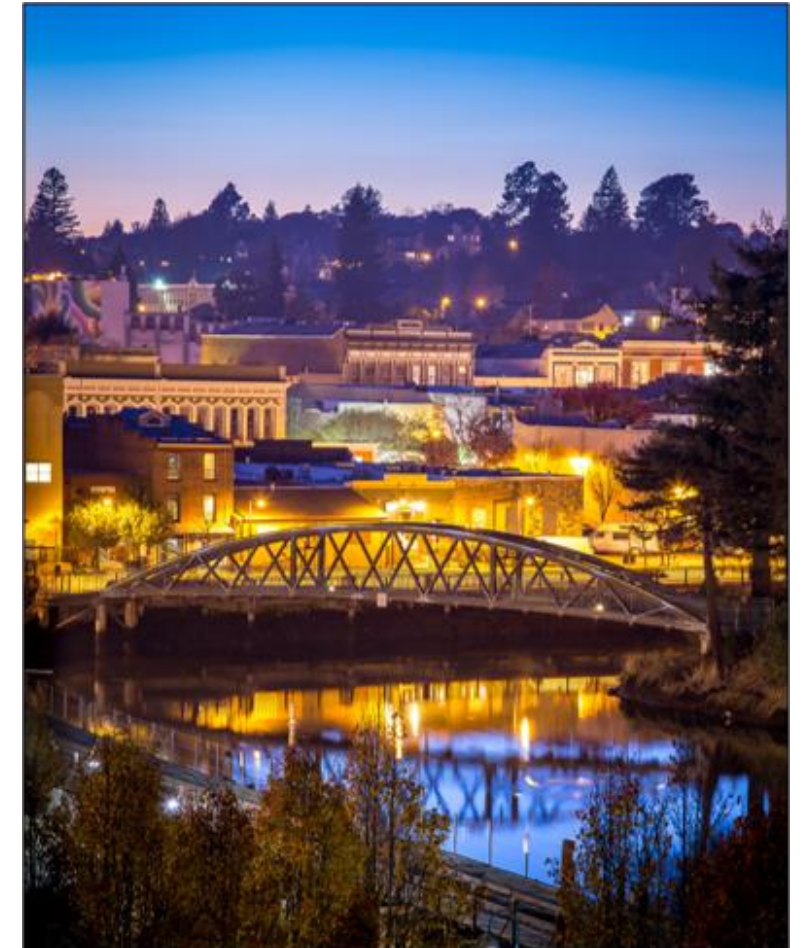
Units (as of 2020)	Climate Zone 1	Climate Zone 2	Total Units	Expected Growth	2025 Forecast
Single Family	7,232	51,320	58,552	1,340	59,892
ADU	-	-	-	1,949	1,949
Multifamily	181	3,511	3,692	87	3,779
Total	7,413	54,831	62,244	3,376	65,620

Source: Statewide Reach Codes Program, Cost-Effectiveness Explorer - <https://explorer.localenergycodes.com/>



Sonoma County Building Statistics

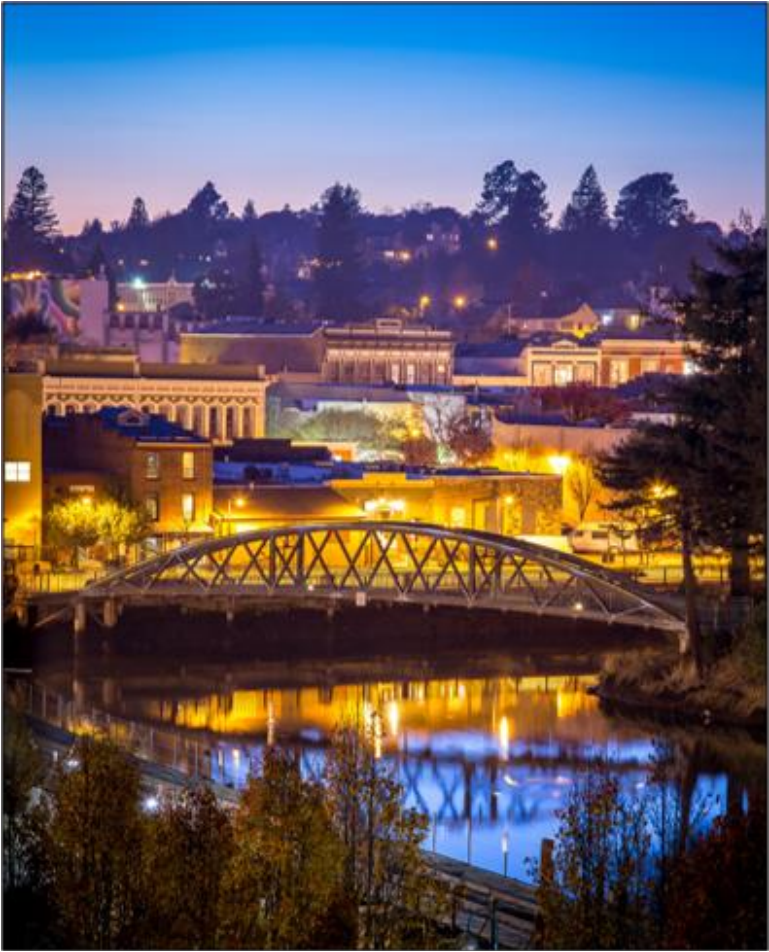
Existing Residential Single Family			Existing Residential Multifamily		
Units (as of 2020)	Climate Zone 1	Climate Zone 2	Units (as of 2020)	Climate Zone 1	Climate Zone 2
<1978	3,193	29,043	<1978	111	2,142
1978-1990	1,830	11,807	1978-1990	0	0
1991-2005	1,482	6,053	1991-2005	32	812
>2005	727	4,417	>2005	38	557
SF Total	7,232	51,320	MF Total	181	3,511



Source: Statewide Reach Codes Program, Cost-Effectiveness Explorer - <https://explorer.localenergycodes.com/>

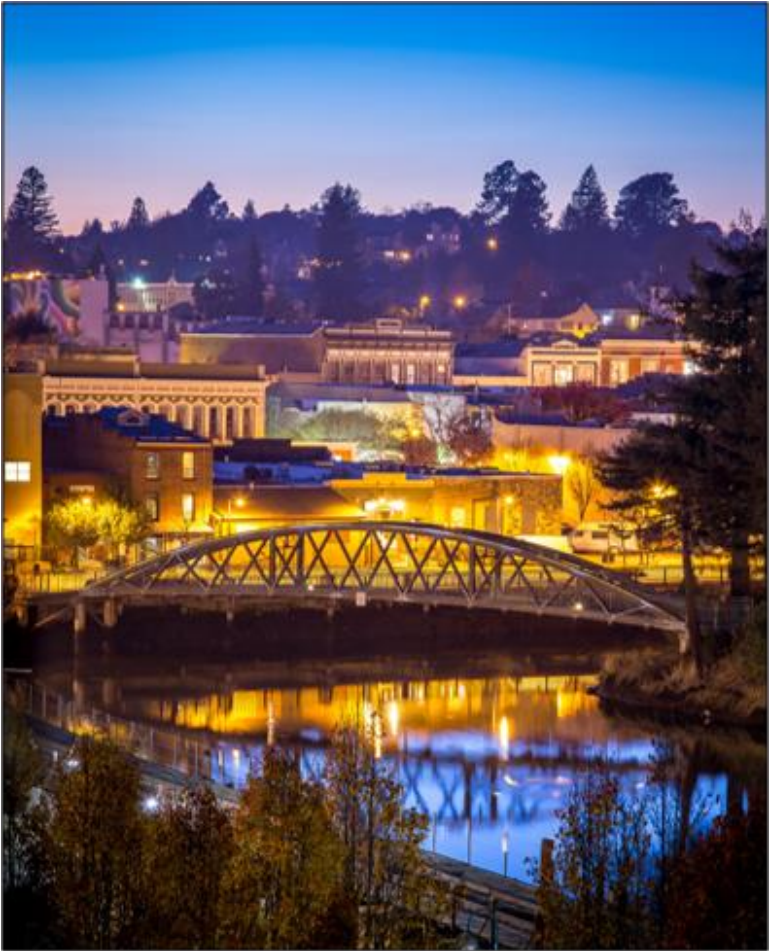
Energy Consumption Existing Residential + Non-Residential

Energy Consumption	Residential	% Share	Non-Residential	% Share
Electricity (Million kWh)	1,110	42%	1,504	58%
Natural Gas (Million Therms)	68.90	66%	36.08	34%
Combined (Trillion BTUs)	10.70	57%	8.13	43%



Source: Bay Area Regional Energy network, Bay Area Energy Atlas - <https://bayarea.energyatlas.ucla.edu/>

New Construction - All-Electric Reach Codes			
Jurisdiction	Type	Coverage	Exceptions
Cotati	All-Electric (In Development)	Undetermined (In Development)	Undetermined (In Development)
Healdsburg	All-Electric (CALGreen Amendment)	Single Family Multifamily Nonresidential	Cooking and Fireplaces. Attached ADUs and Essential Facilities.
Petaluma	Natural Gas Ban (Municipal Ordinance)	Single Family Multifamily Nonresidential	Essential Services buildings that are electric-ready and backup power facilities for such buildings.
Santa Rosa	All-Electric (CALGreen Amendment)	Single Family	Attached ADUs and Reconstructed buildings lost in a disaster.
Windsor	All-Electric (In Development)	Undetermined (In Development)	Undetermined (In Development)
County of Sonoma	All-Electric (CALGreen Amendment)	Single Family, including ADUs.	Cooking appliances, Fossil fuel generators, and Attached ADU's.



Source: Statewide Reach Codes Program, Locally-Adopted Energy Ordinances - <https://localenergycodes.com/content/adopted-ordinances>



SONOMA CLIMATE
MOBILIZATION
RESILIENT · EQUITABLE · TRANSFORMATIVE

Questions?

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Thank You!